(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 September 2005 (29.09,2005)

PCT

(10) International Publication Number WO 2005/089922 A3

(51) International Patent Classification?: 5/02, 3/08, A47J 31/40

B01F 13/08.

(21) International Application Number:

PCT/EP2005/002301

(22) International Filing Date: 4 March 2005 (04.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0400618.5

10 March 2004 (10.03,2004)

(71) Applicant (for all designated States except US): NESTEC S.A. [CH/CH]; Avenue Nestlé 55, CH-1800 Vevey (CH).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): EKLIND, Evert [SE/SE]; P.O. Box 1515, S-542 64 Mariestad (SE).
- (74) Agent: BORNE, Patrice; 55, avenue Nestlé, CH-1800 Vevey (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN. CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FL GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG. PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

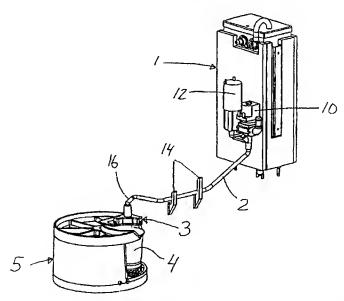
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH. GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, Fl, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR STIRRING AND MIXING OF BEVERAGES



(57) Abstract: The present invention relates to a device and method for stirring or mixing liquid and/or powdered ingredients with liquid in a drinking vessel (4), the liquid being supplied through a stirring device (3) to an outlet tube (64) which conducts at least one liquid jet towards the interior of the drinking vessel (4). The liquid is supplied through an outlet tube (64) which is rotatably attached to the device (3) and is associated to an external, magnetic member (82). The electromagnet arrangement is arranged outside or at distance of the magnetic member for creating a variable magnetic field configured to move the tube (64) in rotation, so that the emerging liquid jet can be given a corresponding centrifugal effect.

JP. KE. KG. KP. KR. KZ. LC. LK. LR. LS. LT. LU. LV. MA. MD. MG. MK. MN. MW. MX. MZ. NA. NI, NO, NZ. OM. PG. PH. PL. PT. RO, RU. SC. SD. SE. SG. SK. SL. SM. SY. TJ. TM. TN. TR. TT. TZ. UA. UG. UZ. VC. VN. YU. ZA. ZM. ZW. ARIPO patent (BW. GH. GM. KE. LS. MW. MZ. NA. SD. SL. SZ. TZ. UG. ZM. ZW). Eurasian patent (AM. AZ. BY. KG. KZ. MD. RU. TJ. TM). European patent (AT. BE. BG. CH. CY. CZ. DE. DK. EE. ES. FI, FR. GB. GR. HU. IE. IS. IT. LT. LU. MC. NL. PL. PT. RO, SE, SI, SK. TR). OAPI patent (BF. BJ. CF. CG. CI, CM, GA, GN. GQ, GW. ML. MR. NE. SN, TD, TG)

as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, IIR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PII, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ,

NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 17 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.